INDEX TO VOLUME 83 (1999)

AUTHORS[1]

J. Agric. Univ. P. R. 83(3-4):229-232 (1999)

Acevedo-Maldonado, N.
*1999, Suplementación de selenio a vacas lecheras por medio de bolo ruminal o inyectable, 83(3-4), 223. (RN)

Acosta, N.
1999, Capacidad quitinolítica de hongos aislados de suelos agrícolas infestados con el nematodo nodulador (*Meloidogyne* spp.) en Puerto Rico, 83(3-4), 189.

Amory, K. L.
*1999, Micropropagation of *Liriope muscari* via leaf explant, 83(3-4), 169.

Aponte, A.
1999, Application timing for clomazone and oxyfluorfen in transplanted cabbage, 83(3-4), 175.

Aponte, J.
1999, Effect of planting dates and frequencies of intercropping on yield and income of bean and banana, 83(3-4), 209. (RN)

Arciniegas, I. C.
*1999, Umbral de acción de *Hortensia similis* Walker y *Draeculacephala soluta* Gibbons (Homoptera: Cicadellidae) en el cultivo de arroz en el Valle del Cauca, Colombia, 83(1-2), 65.

Arias, F.
1999, Características fermentativas y estabilidad aeróbica de sorgo granífero (*Sorghum bicolor*) ensilado en Puerto Rico bajo varias dosis de inóculo comercial, 83(3-4), 135 .

A' mstrong, A.
1999, La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico, 83(1-2), 79. (RN)

Arroyo-Aguilú, J. A.
1999, Effect of the number of boluses and time of administration on ruminants' fecal excretion pattern of chromium oxide, 83(3-4), 123.

Beaver, J. S.
1999, Evaluación agronómica y parámetros genéticos en soya para consumo humano directo en Puerto Rico, 83(3-4), 153.

Bennett, F. D.
/1999, *Vibrissina* sp. (Diptera: Tachinidae) a parasite of the seagrape sawfly *Sericoceros krugii* (Hymenoptera: Argidae) in Puerto Rico: A new record, 83(1-2), 75. (RN)

Betancourt, C.
1999, Capacidad quitinolítica de hongos aislados de suelos agrícolas infestados con el nematodo nodulador (*Meloidogyne* spp.) en Puerto Rico, 83(3-4), 189.

* Senior author.
/ Sole author.
RN Research note.

[1]An author's name may appear in more than one form. Although all first names are abbreviated, an author may appear with one or two initials. Last names may appear single or compound. When compound, they are hyphenated regardless of how they appear in the original. Alphabetically, names with a single initial precede two-initial ones (Y. Badillo precedes Y. A. Badillo); single names precede hyphenated ones (Abreu, Z. precedes Abreu-Abadía, A.). Articles under one name are organized chronologically; those in number 1 precede those in number 2 and those on page 1 precede those on page 2.

Bosques-Vega, A.
1999, Yield and weed suppression by pigeon pea cultivars in rotation with tomato and pepper, 83(1-2), 55.
1999, Dinámica poblacional de nematodos fitoparasíticos en gandul (*Cajanus cajan*), 83(3-4), 201.

Bourland, F. M.
1999, Comparative early growth of cotton seedlings expressing a visible true leaf at emergence and normal phenotype seedlings, 83(1-2), 19.

Brunner, B.
1999, La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico, 83(1-2), 79. (RN)

Camacho-Chacón, F.
*1999, Evaluación agronómica y parámetros genéticos en soya para consumo humano directo en Puerto Rico, 83(3-4), 153.

Casas, A.
*1999, Effect of the number of boluses and time of administration on ruminants' fecal excretion pattern of chromium oxide, 83(3-4), 123.

Castro, J. A.
1999, Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.

Cianzio, D.
1999, Effect of the number of boluses and time of administration on ruminants' fecal excretion pattern of chromium oxide, 83(3-4), 123.

Cianzio, S. R.
1999, Evaluación agronómica y parámetros genéticos en soya para consumo humano directo en Puerto Rico, 83(3-4), 153.

Dávila, M.
*1999, Capacidad quitinolítica de hongos aislados de suelos agrícolas infestados con el nematodo nodulador (*Meloidogyne* spp.) en Puerto Rico, 83(3-4), 189.

Davis, M.
1999, La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico, 83(1-2), 79. (RN)

Demey, J. R.
1999, Selection of an Ametryn tolerant sugarcane cellular line, 83(1-2), 47.

Duque, M. C.
1999, Umbral de acción de *Hortensia similis* Walker y *Draeculacephala soluta* Gibbons (Homoptera: Cicadellidae) en el cultivo de arroz en el Valle del Cauca, Colombia, 83(1-2), 65.

García, C.
1999, Umbral de acción de *Hortensia similis* Walker y *Draeculacephala soluta* Gibbons (Homoptera: Cicadellidae) en el cultivo de arroz en el Valle del Cauca, Colombia, 83(1-2), 65.

Gill, J. M.
1999, Micropropagation of *Liriope muscari* via leaf explant, 83(3-4), 169.

González, A.
1999, Chemical and physical properties of two tropical soils treated with sewage sludge compost, 83(3-4), 103.
1999, Application timing for clomazone and oxyfluorfen in transplanted cabbage, 83(3-4), 175.

González, V.
1999, Selection of an Ametryn tolerant sugarcane cellular line, 83(1-2), 47.

González-Vélez., A.
1999, Response of upland taro 'Blanca' to sett size and plant spacing, 83(1-2), 33.
*1999, Rendimiento y concentración foliar de nutrimentos de la malanga 'Blanca' bajo dos distancias de siembra y tres niveles de abonamiento, 83(1-2), 41.

Guzmán, J. L.
1999, Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.
1999, Chemical and physical properties of two tropical soils treated with sewage sludge compost, 83(3-4), 103.

Liu, L. C.
*1999, Effect of planting dates and frequencies of intercropping on yield and income of bean and banana, 83(3-4), 209. (RN)
1999, Sulfosate for weed control in coffee, 83(3-4), 217. (RN)

Macchiavelli, R.
1999, Dinámica poblacional de nematodos fitoparasíticos en gandul (*Cajanus cajan*), 83(3-4), 201.
1999, Características fermentativas y estabilidad aeróbica de sorgo granífero (*Sorghum bicolor*) ensilado en Puerto Rico bajo varias dosis de inóculo comercial, 83(3-4), 135.

Martínez, G. A.
*1999, Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.
*1999, Chemical and physical properties of two tropical soils treated with sewage sludge compost, 83(3-4), 103.

Martínez, J. L.
*1999, Características fermentativas y estabilidad aeróbica de sorgo granífero (*Sorghum bicolor*) ensilado en Puerto Rico bajo varias dosis de inóculo comercial, 83(3-4), 135.

Mercado, W. I.
*1999, Concentración de inóculo adecuada para estudiar la relación entre plántulas de cafeto y *Rhizoctonia solani* o *Mirothecium roridum*, 83(3-4), 181.

Montalvo-Zapata, R.
1999, Effect of planting dates and frequencies of intercropping on yield and income of bean and banana, 83(3-4), 209. (RN)

Muñiz-Torres, O.
1999, Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.

Nava, A. R.
/1999, Detección de diez virus en zonas productoras de tomate (*Lycopersicon esculentum* Mill) en Venezuela, 83(1-2), 83. (RN)

Negrón, J.
1999, Capacidad quitinolítica de hongos aislados de suelos agrícolas infestados con el nematodo nodulador (*Meloidogyne* spp.) en Puerto Rico, 83(3-4), 189.

Olivieri, L.
1999, Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.

Orengo-Santiago, E.
*1999, Sulfosate for weed control in coffee, 83(3-4), 217. (RN)

Ortiz, C. E.
*1999, Comparative early growth of cotton seedlings expressing a visible true leaf at emergence and normal phenotype seedlings, 83(1-2), 19.
*1999, Response of upland taro 'Blanca' to sett size and plant spacing, 83(1-2), 33.

Ortiz, S. A.
*1999, Uso de harina de hojas de leucaena en el concentrado iniciador para becerros lecheros, 83(1-2), 97. (RN)

Ortiz-López, J.
1999, Rendimiento y concentración foliar de nutrimentos de la malanga 'Blanca' bajo dos distancias de siembra y tres niveles de abonamiento, 83(1-2), 41.
1999, Effect of planting dates and frequencies of intercropping on yield and income of bean and banana, 83(3-4), 209. (RN)

Pantoja, A.
1999, Umbral de acción de *Hortensia similis* Walker y *Draeculacephala soluta* Gibbons (Homoptera: Cicadellidae) en el cultivo de arroz en el Valle del Cauca, Colombia, 83(1-2), 65.
1999, La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico, 83(1-2), 79. (RN)

Ramírez-García, L. M.
*1999, La papaya como nuevo hospedero de *Empoasca fabalis* en Puerto Rico, 83(1-2), 79. (RN)

Randel, P. F.
1999, Uso de harina de hojas de leucaena en el concentrado iniciador para becerros lecheros, 83(1-2), 97. (RN)
1999, Suplementación de selenio a vacas lecheras por medio de bolo ruminal o inyectable, 83(3-4), 223. (RN)

Riquelme, E. O.
1999, Cell wall disappearance in a forage sorghum hybrid and Johnson grass after treatment with a commercial multi-enzyme preparation, 83(1-2), 89. (RN)
1999, Uso de harina de hojas de leucaena en el concentrado iniciador para becerros lecheros, 83(1-2), 97. (RN)
1999, Características fermentativas y estabilidad aeróbica de sorgo granífero (*Sorghum bicolor*) ensilado en Puerto Rico bajo varias dosis de inóculo comercial, 83(3-4), 135.
1999, Suplementación de selenio a vacas lecheras por medio de bolo ruminal o inyectable, 83(3-4), 223. (RN)

Rivera, L. E.
1999, Chemical and physical properties of two tropical soils treated with sewage sludge compost, 83(3-4), 103.

Rodríguez, A. A.
*1999, Cell wall disappearance in a forage sorghum hybrid and Johnson grass after treatment with a commercial multi-enzyme preparation, 83(1-2), 89. (RN)
1999, Características fermentativas y estabilidad aeróbica de sorgo granífero (*Sorghum bicolor*) ensilado en Puerto Rico bajo varias dosis de inóculo comercial, 83(3-4), 135.

Rodríguez, J. A.
1999, Effect of planting dates and frequencies of intercropping on yield and income of bean and banana, 83(3-4), 209. (RN)

Rodríguez, R. del P.
1999, Concentración de inóculo adecuada para estudiar la relación entre plántulas de cafeto y *Rhizoctonia solani* o *Myrothecium roridum*, 83(3-4), 181.

Rust, S. R.
1999, Cell wall disappearance in a forage sorghum hybrid and Johnson grass after treatment with a commercial multi-enzyme preparation, 83(1-2), 89. (RN)

Semidey, N.
*1999, Yield and weed suppression by pigeon pea cultivars in rotation with tomato and pepper, 83(1-2), 55.
*1999, Application timing for clomazone and oxyfluorfen in transplanted cabbage, 83(3-4), 175.

Vázquez, M. A.
1999, Chemical and physical properties of two tropical soils treated with sewage sludge compost, 83(3-4), 103.

Vicente, N. E.
*1999, Dinámica poblacional de nematodos fitoparasíticos en gandul (*Cajanus cajan*), 83(3-4), 201.

Yokoyama, M. T.
1999, Cell wall disappearance in a forage sorghum hybrid and Johnson grass after treatment with a commercial multi-enzyme preparation, 83(1-2), 89 (RN)

Zambrano, A. Y.
*1999, Selection of an Ametryn tolerant sugarcane cellular line, 83(1-2), 47.

INDEX TO VOLUME 83 (1999)

SUBJECTS

J. Agric. Univ. P. R. 83(3-4):233-235 (1999)

Allelopathy
  Yield and weed suppression by pigeon pea cultivars, 83(1-2), 55.
Ametryn
  Selection of a sugarcane cellular line tolerant to, 83(1-2), 47.
Banana
  Planting dates, frequencies of intercropping and yield and income of, 83(3-4), 209.
Bean
  Planting dates, frequencies of intercropping and yield and income of, 83(3-4), 209.
Bolus
  Effect of number and time of administration on ruminants' fecal excretion pattern, 83(3-4), 123.
  Supplementation of selenium via, for milk cows, 83(3-4), 223. (Spanish)
Brassica oleracea var. *capitata* (See Cabbage)
Broiler litter (See Manure)
Cabbage
  Clomazone and oxyfluorfen: Application timing, 83(3-4), 175.
Cajanus cajan (See Pigeon pea)
Calf, dairy
  Use of leucaena leaves in feed concentrate for, 83(1-2), 97.
Capsicum annuum (See Pepper)
Carica papaya (See Papaya)
Chromium oxide, bolus (See Bolus)
Clomazone
  Application timing in cabbage, 83(3-4), 175.
Coffea arabica (See Coffee)
Coffee
  Rhizoctonia solani, Myrothecium roridum, inoculum and relationship with plantules of, 83(3-4), 181.
  Sulfosate for weed control in, 83(3-4), 217.
Colocasia esculenta (See Taro)
Compost (See Sewage sludge)
Cotton
  Early growth of seedlings: visible true leaf at emergence vs. normal phenotype, 83(1-2), 19.
Cow, dairy
  Supplementation of selenium via bolus or injection, 83(3-4), 223. (Spanish)
Crop rotation (See Rotation)
Diptera: Tachinidae
  Vibrissina sp. a favorite of seagrape sawfly, 83(1-2), 75.
Draeculacephala soluta
  Action thresholds in rice, 83(1-2), 65. (Spanish)
Empoasca fabalis
  In papaya in Puerto Rico, 83(1-2), 79.
Ensiling
  Cell wall disappearance in forage sorghum and Johnson grass, treated with enzymes, 83(1-2), 89.
Explant, leaf
  Micropropagation of *Liriope muscari*, via, 83(3-4), 169.
Feed
  Use of leucaena leaves in concentrate for dairy calves, 83(1-2), 97.
Forage
  Cell wall disappearance in forage sorghum and Johnson grass, treated with enzymes, 83(1-2), 89.
Fungi
  Chitinolytic capacity of, from soils infested with nematodes, 83(3-4), 189. (Spanish)
Glycine max (See Soybean)
Gossypium hirsutum (See Cotton)
Herbicide
  Ametryn tolerant sugarcane cellular line, 83(1-2), 47.
  Clomazone and oxyfluorfen in cabbage, 83(3-4), 175.
  Sulfosate in coffee, 83(3-4), 217.
Homoptera: Cicadellidae

Action thresholds of *Hortensia similis* and *Draeculacephala soluta* in rice, 83(1-2), 65. (Spanish)
Hortensia similis
Action thresholds in rice, 83(1-2), 65. (Spanish)
Hymenoptera: Argidae
Vibrissina sp. a parasite of seagrape sawfly, 83(1-2), 75.
Insects
Hortensia similis and *Draeculacephala soluta* in rice, 83(1-2), 65.
Vibrissina sp. a parasite of the seagrape sawfly, 83(1-2), 75.
Emposasca fabalis in papaya, 83(1-2), 79.
Intercropping
Planting dates and frequencies of, yield and income of bean and banana, 83(3-4), 209.
Johnson grass
Cell wall disappearance after treatment with enzyme preparation, 83(1-2), 89.
Leucaena
Use of leaf flour in calf feed concentrate, 83(1-2), 97.
Leucaena leucocephala (See Leucaena)
Liriope muscari
Micropropagation of, via leaf explant, 83(3-4), 169.
Lycopersicon esculentum (See Tomato)
Manure, chicken
Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.
Meloidogine spp. (See Root knot nematode)
Mollisol
Chemical and physical properties of a, treated with sewage sludge compost, 83(3-4), 103.
Musa spp. (See Banana)
Myrothecium roridum (See Root rot, coffee)
Nematode
Chitinolytic capacity of fungi isolated from soils infested with, 83(3-4), 189. (Spanish)
Population dynamics of, in pigeon pea, 83(3-4), 201. (Spanish)
Oryza sativa (See Rice)
Oxyfluorfen
Application timing in cabbage, 83(3-4), 175.
Papaya
Host of *Empoasca fabalis*, new record in Puerto Rico, 83(1-2), 79. (Spanish)
Pepper
Weed suppression by pigeon pea cultivars in rotation with, 83(1-2), 55.
Phaseolus vulgaris (See Bean)
Phosphorus
In soils from the poultry zone in Puerto Rico, 83(1-2), 1.
Pigeon pea
Yield and weed suppression in rotation with tomato and pepper, 83(1-2), 55.
Population dynamics of phytoparasitic nematodes in, 83(3-4), 201. (Spanish)
Pollution
Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.
Poultry
Phosphorus status of soils from the poultry zone in Puerto Rico, 83(1-2), 1.
Propagation, plant
Micropropagation of *Liriope muscari* via leaf explant, 83(3-4), 169.
Rhizoctonia solani (See Root rot, coffee)
Rice
Action thresholds of *Hortensia similis* and *Draeculacephala soluta* in rice, 83(1-2), 65. (Spanish)
Root knot nematode
Chitinolytic capacity of fungi, from soils infested with, 83(3-4), 189. (Spanish)
Root rot, coffee
Rhizoctonia solani, Myrothecium roridum, inoculum and relationship with coffee plantules, 83(3-4), 181. (Spanish)
Rotation
Yield and weed suppression by pigeon pea cultivars in, with tomato and pepper, 83(1-2), 55.
Ruminant
Number and time of administration of boluses of chromium oxide, and fecal excretion pattern, 83(3-4), 123.
Saccharum sp. (See Sugarcane)
Seagrape sawfly
Host to *Vibrissina* sp., first record of parasite of this sawfly, 83(1-2), 75.

Selenium
Supplement for milk cows, via bolus or injection, 83(3-4), 223. (Spanish)
Sericoceros krugii (See Seagrape sawfly)
Sewage sludge, compost
Chemical and physical properties of two tropical soils treated with, 83(3-4), 103.
Silage (See Ensiling)
Soil
Phosphorus status of, from the poultry zone in Puerto Rico, 83(1-2), 1.
Soil, properties
Of two tropical soils treated with sewage sludge compost, 83(3-4), 103.
Sorgum bicolor (See Sorghum)
Sorghum, forage
Cell wall disappearance after treatment with enzymes preparation, 83(1-2), 89.
Sorghum, grain
Fermentation characteristics, aerobic stability of, ensiled with commercial inoculum, 83(3-4), 135. (Spanish)
Sorgum halepense (See Johnson grass)
Soybean
Agronomic evaluation and genetic parameters in, for human consumption, 83(3-4), 153. (Spanish)
Sugarcane
Selection of an ametryn tolerant cellular line, 83(1-2), 47.
Sulfosate
For weed control in coffee, 83(3-4), 217.
Taro
Response to sett size, plant spacing, 83(1-2), 33.
Yield and foliar concentration of nutrients at two plant spacings, three fertilizer levels, 83(1-2), 41. (Spanish)
Tissue culture
Selection of an ametryn tolerant sugarcane cellular line, 83(1-2), 47.
Tomato
Weed suppression by pigeon pea cultivars in rotation with, 83(1-2), 55.
Virus detection in tomato producing zones of Venezuela, 83(1-2), 83. (Spanish)
Ultisol
Chemical and physical properties of an, treated with sewage sludge compost, 83(3-4), 103.
Vibrissina sp.
Parasite of the seagrape sawfly, 83 (1-2), 75.
Virus
Detection, in tomato production zones of Venezuela, 83(1-2), 83.
Weed, control
Clomazone and oxyfluorfen in cabbage, 83(3-4), 175.
Sulfosate in coffee, 83(3-4), 217.
Weed, suppression
By pigeon pea cultivars in rotation with tomato and pepper, 83(1-2), 55.